

Electronic Acknowledgement Receipt

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| EFS ID: | 8626872 | | |
| Application Number: | 10735592 | | |
| International Application Number: | | | |
| Confirmation Number: | 2533 | | |
| Title of Invention: | 5' CpG nucleic acids and methods of use | | |
| First Named Inventor/Applicant Name: | Arthur M. Krieg | | |
| Correspondence Address: | Helen C. Lockhart, Ph.D. Wolf, Greenfield & Sacks, P.C. 600 Atlantic Avenue - Boston MA 02210 US 6177203500 - | | |
| Filer: | Helen C. Lockhart/Sarah Russe | | |
| Filer Authorized By: | Helen C. Lockhart | | |
| Attorney Docket Number: | C 1037.70038US01 | | |
| Receipt Date: | 14-OCT-2010 | | |
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| Application Type: | Utility under 35 USC 111(a) | | |

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| Submitted with Payment | yes |
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| RAM confirmation Number | 1204 | | | | | | | | | |
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| Deposit Account | 232825 | | | | | | | | | |
| Authorized User | LOCKHART,HELEN C | | | | | | | | | |
| The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: | | | | | | | | | | |
| Charge any Additional Fees required under 37 C.F.R. Section 1.17 (Patent application and reexamination processing fees) | | | | | | | | | | |
| File Listing: | | | | | | | | | | |
| Document Number | Document Description | File Name | File Size(Bytes)/Message Digest | Multi Part/.zip | Pages (if appl.) | | | | | |
| 1 | Miscellaneous Incoming Letter | C103770038US01-TRN-HCL.pdf | 30286 2d5f5e935ea6d117931ce25a6ae6e02d405 51849 | no | 1 | | | | | |
| Warnings: | | | | | | | | | | |
| Information: | | | | | | | | | | |
| 2 | Fee Worksheet (PTO-875) | C103770038US01-FEE-HCL.pdf | 46080 278a1e8f54d98dd53c367dcdec58b10fbfae d7540 | no | 1 | | | | | |
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| Information: | | | | | | | | | | |
| 3 | | C103770038US01-IDS-HCL.pdf | 55610 11903c529d6f78e8511cfc99578d1754d 3020 | yes | 5 | | | | | |
| Multipart Description/PDF files in .zip description | | | | | | | | | | |
| Document Description | | | Start | End | | | | | | |
| Transmittal Letter | | | 1 | 3 | | | | | | |
| Information Disclosure Statement (IDS) Filed (SB/08) | | | 4 | 5 | | | | | | |
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| 4 | NPL Documents | C103770038US01_Supp_Euro_Search_Report_8-7-2010.pdf | 1637419 6fb779c858d7531ed5b2546e5303190 filed | no | 10 | | | | | |
| Warnings: | | | | | | | | | | |
| Information: | | | | | | | | | | |
| 5 | Foreign Reference | WO94008053.pdf | 4762579 6120f966437231bd45801dadfe1371e0ad7 da2a | no | 145 | | | | | |
| Warnings: | | | | | | | | | | |
| Information: | | | | | | | | | | |
| 6 | Foreign Reference | WO00041720.pdf | 1897584 dd0f894085d1f1ba68955a195c015ab 12fb4 | no | 53 | | | | | |
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| Information: | | | | | |
| 7 | Foreign Reference | WO03040308.pdf | 18868906 0811cc22056a6e561bd26931b05fb9f542 43166 | no | 110 |
| Warnings: | | | | | |
| Information: | | | | | |
| 8 | Foreign Reference | WO03085110.pdf | 4001571 f8ef99d0119bfa9075ebfbbbe5d595178bcb b4e6b | no | 65 |
| Warnings: | | | | | |
| Information: | | | | | |
| 9 | Foreign Reference | WO05013891.pdf | 6453369 ec6410cc757a/sec16175ebfb8b9ae1250 807ca | no | 125 |
| Warnings: | | | | | |
| Information: | | | | | |
| 10 | Foreign Reference | WO01051083.pdf | 1833905 f97e3785425cc6a2f27160ddc95c978c28a1 c861 | no | 49 |
| Warnings: | | | | | |
| Information: | | | | | |
| 11 | NPL Documents | Agrawal_Biochim_Biophys_Acta_1999_v1489_p53.pdf | 17281617 6cf8803936016481742bb3a1b650144e c038 | no | 16 |
| Warnings: | | | | | |
| Information: | | | | | |
| 12 | NPL Documents | Azuma_et_al_Intl_Immunopharm_2001_v1_p1249.pdf | 203350 63b20f14de5a6ed18a9e955e78f7b287cd a3ff4 | no | 11 |
| Warnings: | | | | | |
| Information: | | | | | |
| 13 | NPL Documents | Fearon_et_al_Euro_J_ImmunoL_2003_v33_p2114.pdf | 887342 49984ae016692d7b28d1cbfc2fb99fe3c5 d49 | no | 10 |
| Warnings: | | | | | |
| Information: | | | | | |
| 14 | NPL Documents | Ioannou_et_al_Vaccine_2002_v21_p127.pdf | 10937494 f32fb65ab50432ae4b0293a269cb30eef aefb4 | no | 11 |
| Warnings: | | | | | |
| Information: | | | | | |
| 15 | NPL Documents | Jorgensen_et.al_J_Virology_2003_v77_p11471.pdf | 894985 d80023ebfe337e7baa2156ab17661955a db31d | no | 10 |
| Warnings: | | | | | |

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| Information: | | | | | |
| 16 | NPL Documents | Krieg_et_al_Antis_Nuc_Acid_Drug_Dev_1997_v7_p115.pdf | 4658593 3bc030497a994946c95982d09984ec 1750 | no | 9 |
| Warnings: | | | | | |
| Information: | | | | | |
| 17 | NPL Documents | Samani_et.al_Antisen_Nucl_Acid_Drug_Dev_2001_v11_p129.pdf | 1148920 139bc6ca0f0e840f075d58ca0d4175bd 6ef50 | no | 8 |
| Warnings: | | | | | |
| Information: | | | | | |
| 18 | NPL Documents | Sonehara_et.al_J_Int_and_Cyt_Res_1996_v16_p799.pdf | 860892 423600cfb536b56b2a60ffbe8fb01c173b1 c95e | no | 5 |
| Warnings: | | | | | |
| Information: | | | | | |
| 19 | NPL Documents | Uhlmann_et.al_Meth_Enzymol_2000_v313_p268.pdf | 16632419 96466931d88499e9796e1ff61e3dd59c59 356 | no | 17 |
| Warnings: | | | | | |
| Information: | | | | | |
| 20 | Foreign Reference | WO0154720.pdf | 20385127 e708880329059d857979ca7816091e1ab 8e153 | no | 39 |
| Warnings: | | | | | |
| Information: | | | | | |
| 21 | NPL Documents | Uhlmann_et.al_Exp_Opin_Biol_Ther_2001_v1_p319.pdf | 412341 5298fb8e2185b1a1d7b2d5e70cae93bf 3013 | no | 10 |
| Warnings: | | | | | |
| Information: | | | | | |
| 22 | NPL Documents | Wahlestedt_et.al_Proc_Natl_Acad_Sci_2000_v97_p5633.pdf | 8790009 628d5ec9734b3705d6563b8346f24367 8ac2 | no | 6 |
| Warnings: | | | | | |
| Information: | | | | | |
| 23 | NPL Documents | Yu_et.al_Biorg_Med_Chem_2001_v9_p2803.pdf | 525649 5aaefcbdb038842c40816005e9995c3352 e1c79 | no | 6 |
| Warnings: | | | | | |
| Information: | | | | | |
| 24 | Fee Worksheet (PTO-875) | fee-info.pdf | 30168 a17809126ab4b4b56febf1dfeefcb3ef13f a6298 | no | 2 |
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| Information: | Total File Size (in bytes): | 123236215 |
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| If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application. | | |
| <u>National Stage of an International Application under 35 U.S.C. 371</u> | | |
| If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course. | | |
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| If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application. | | |